

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A cobalt imprinted polymer composition useful for the selective removal of cobalt, comprising: having general formula (1)

cobalt and a polymer component $A_{(x)}B_{(y)}C_{(z)}D_{(f)}$ (1)

wherein A is any vinyl monomer containing hydroxyl group, B is any vinyl monomer bearing acidic group, C is any vinyl monomer containing an amino group, and D is a cross linker bearing vinyl group, and x, y, z and f are the mole fractions of A, B, C and D respectively in the final polymer and vary such that $0 < x, y, z < 1$ and f is greater than zero but less than 1 and $x+y+z+f=1$, and

wherein the imprint is cobalt.

2-13. Cancelled.

14. (New) A cobalt imprinted polymer composition according to claim 1 wherein the cobalt is a cobalt salt selected from the group consisting of cobalt nitrate, cobalt chloride, and cobalt acetate.